National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SAS GROUP, GROUND FLOOR, PLOT NO. -2503, RAMBHAG ESTATES, GANDHI NAGAR, P.O: ASHIYANA NAGAR, PATNA, BIHAR, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 05/10/2021 to 04/10/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility at 25°C	IS 1208
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point	IS 1209
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at 25°C, 0.1 mm, 100 g, 5 s	IS 1203
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
6	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/BC/DBM/DBC)	Binder Content	IRC SP-11
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/BC/DBM/DBC)	Density	ASTM D2726
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/BC/DBM/DBC)	Flow Value	ASTM D6927
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (BM/BC/DBM/DBC)	Marshall Stability	ASTM D6927
10	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay or Fly Ash)	Compressive Strength	IS 3495 (Part-1)
11	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay or Fly Ash)	Efflorescence	IS 3495 (Part-3)
12	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay or Fly Ash)	Water Absorption	IS 3495 (Part-2)
13	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay)	Dimension (Length)	IS 1077
14	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay)	Dimension (Thickness)	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay)	Dimension (Width)	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fly Ash)	Dimension (Length)	IS 12894
17	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fly Ash)	Dimension (Thickness)	IS 12894
18	MECHANICAL- BUILDINGS MATERIALS	Bricks (Fly Ash)	Dimension (Width)	IS 12894

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Material (Clay & Lump)	IS 2386 (Part-2)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Material (Coal & Lignite)	IS 2386 (Part-2)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part-3)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part-4)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part-1)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part-4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Sizes - 63mm, 40mm, 31.5mm, 25mm, 20mm, 16mm, 12.5mm, 10mm, 8mm, 6.3mm, 4.75mm, 2.36mm, 1.70mm)	IS 2386 (Part-1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (Magnesium Sulphate, MgSO4)	IS 2386 (Part-5)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (Sodium Sulphate, Na2SO4)	IS 2386 (Part-5)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part-3)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Material (Material finer than 75 µm)	IS 2386 (Part-1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part-3)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Material (Clay & Lumps)	IS 2386 (Part-2)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part-3)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part-2)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Sizes - 10mm, 4.75mm, 2.36mm, 1.18mm, 600 micron, 300 micron, 150 micron, 75 micron)	IS 2386 (Part-1)

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36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (Magnesium Sulphate, MgSO4)	IS 2386 (Part-5)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (Sodium Sulphate, Na2SO4)	IS 2386 (Part-5)
38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part-3)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Material (Coal & Lignite)	IS 2386 (Part-2)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Material (Material finer than 75 µm)	IS 2386 (Part-1)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part-3)
42	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Core	Equivalent Cube Compressive Strength	IS 516 (Part-4)
43	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Compressive Strength	IS 516
44	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement or Blended Cement (OPC/PPC)	Consistency	IS 4031 (Part-4)
45	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement or Blended Cement (OPC/PPC)	Density	IS 4031 (Part-11)
46	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement or Blended Cement (OPC/PPC)	Setting Time (Final)	IS 4031 (Part-5)
47	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement or Blended Cement (OPC/PPC)	Setting Time (Initial)	IS 4031 (Part-5)
48	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement or Blended Cement (OPC/PPC)	Soundness (By Le-Chatelier)	IS 4031 (Part-3)
49	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Compressive Strength	IS 15658 (Cl. 7.3, Annex-D)
50	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Dimension (Length)	IS 15658 (Cl. 7.2, Annex-B)
51	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Dimension (Thickness)	IS 15658 (Cl. 7.2, Annex-B)
52	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Dimension (Width)	IS 15658 (Cl. 7.2, Annex-B)
53	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Thickness of Wearing Layer	IS 15658 (Cl. 7.2, Annex-B)
54	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Water Absorption	IS 15658 (Cl. 7.3, Annex-C)

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55	MECHANICAL- SOIL AND ROCK	Rock	Compressive Strength	IS 9143
56	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
57	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
58	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (96 Hours Soaked Condition)	IS 2720 (Part-16)
59	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of Internal Friction)	IS 2720 (Part-13)
60	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion Intercept)	IS 2720 (Part-13)
61	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40)
62	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Sieve Size - 19mm, 4.75mm, 2.0mm, 425 micron, 75 micron)	IS 2720 (Part-4)
63	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Maximum Dry Density)	IS 2720 (Part-8)
64	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Optimum Moisture Content)	IS 2720 (Part-8)
65	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
66	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part-2)
67	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
68	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3/Sec-1)